

Instant Software™

Peterborough, N.H. 03458 USA

A division of Wayne Green Inc.

PROGRAM DOCUMENTATION

TRS-80*
Model I & Model III
Level II, 16K
PMC Compatible

**Santa
Paravia
and
Fiumaccio**

0043R/1

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LOADING INSTRUCTIONS

Rewind your program tape to the beginning. If you are using a Model III, choose the low baud rate. In response to the READY prompt, type CLOAD and press <ENTER>. Now press PLAY on your cassette recorder, and your program should start loading. When the READY prompt reappears, your program is loaded. Type RUN and press <ENTER> to begin Santa Paravia.

The TRS-80 is very sensitive to audio levels. If the program doesn't load, adjust the volume level and try again.

HOW TO PLAY

It is A.D. 1400, and you are the new ruler of a tiny, undistinguished Italian city-state. You are very ambitious, and intend to build your little city into a kingdom. Life is short, so you have only a limited amount of time. The welfare of your realm depends on the decisions you make. If your decisions are wise, your holdings will grow, and you will achieve loftier titles. If your decisions are foolish and your rule is incompetent, your serfs will starve, and you may be invaded by more powerful neighbors. Good administration of your growing city will include managing the grain harvested by your serfs, setting taxes, exercising justice, and investing in public works.

You may play by yourself, as the ruler of Santa Paravia, and try to establish your kingdom before 1420. Or, if you wish, you may

invite up to five other people to play with you. They will become rulers of neighboring city-states, and compete with you to be the first King or Queen.

There are four phases to each person's turn: the harvest phase, the tax and justice phase, the display phase, and the public works phase.

The Harvest Phase

At the beginning of the harvest phase, you learn how much of your grain reserve has been destroyed by rats and how much grain has just been harvested. The size of the harvest is determined by the amount of land you have, the number of serfs you have to work the land, how much grain has been left in reserve to seed your crop, and the weather. It takes two serfs and five steres of grain to put ten hectares of land into production. (A hectare is equal to 2.47 acres or ten thousand square meters, and a stere is a measure of volume, equal to approximately 1.31 cubic yards.)

Any serfs working in the woolen mills will not be available to farm, and the grain eaten by rats cannot be sown. In famine years, you will not harvest enough grain to feed the population and grain prices will be high, so it pays to keep a substantial amount of grain in reserve. However, if you keep too much, you will simply be feeding the rats. In years of good weather, you will have more grain than you need, unless you neglect agriculture for commercial development.

Several useful figures will be displayed on the screen. You will be told how much grain you have in reserve (which includes grain harvested that year), the grain demand (the minimum grain necessary to sustain your current population), the current price of grain, the current price of land, and how many gold florins are in your treasury.

At this point, you may choose to buy grain, sell grain, buy land, or sell land. To make your selection, press the number corresponding to your choice. When you're finished buying and selling and are ready to move on, press <0> (zero) to continue the game.

You will be asked how much grain you want to release to feed the population. You must release at least twenty percent but no more than eighty percent of your reserves. Type the number of steres you're willing to release and press <ENTER>. If you release less than the demand, some of your serfs will starve. If you release more than the demand, serfs and merchants will immigrate to your city-state to take advantage of the surplus.

Tax and Justice Phase

During the tax and justice phase, you may set or change the tax rates and the level of justice in your city-state. Low taxes encourage commerce, while high taxes raise income. There are hid-

den penalties for harsh tax rates and for unfair justice, so raising one tax may lower the income from another.

Display Phase

During the display phase, you will see a map of your domain. You can examine this map to determine your strategy and tactics for your following turns. It is important to note both the adequacy of your defenses and the ratio of serfs to land. If you have more serfs than you need to farm your land, you must feed unproductive workers. If you have more land than you can put into production, some of your land will be idle. (Idle land can be profitable when used for speculation.)

Public Works Phase

The public works phase gives you an opportunity to invest in markets, palaces, cathedrals, and woolen mills. These investments will create jobs, attract more people, and raise your tax revenues. You may also equip some of your serfs as soldiers to protect your city-state. If your defenses ever become inadequate for the amount of land you have, you may be invaded, so it's important to keep at least one soldier for each thousand hectares of land and it's a good policy to double that level of defense.

Markets attract merchants, increase tax revenues, and also product income. The wool industry employs serfs, increases tax revenues, and produces profits. Palaces both increase tax revenues and attract nobility. Cathedrals attract clergy.

After the public works phase, your resources are tallied to see if you've earned a new title. The titles are Sir, Baron, Count, Marquis, Duke, Grand Duke, Prince, and King, or Lady, Baroness, Countess, Marquise, Duchess, Grand Duchess, Princess, and Queen. The first player to become a King or Queen wins.

STRATEGY

The most critical factor in the beginning of the game is the balance between land, serfs, food production, and economic development. Soldiers, merchants, clergy, and nobles place heavy demands on your grain supply. If you build your commerce faster than your grain production, you may have to deplete your treasury to buy grain. On the other hand, if you are slow in building markets and woolen mills, your tax revenues will be limited, and you won't have the money you need to buy more land.

Land prices are determined partly by the relationship of the grain harvest to the grain demand. Overpopulation raises the price of land by increasing the demand. This makes it wise to keep excess land so that all of your serfs are always at work. Another advantage of excess land is that you can sell it when prices are high and then buy it back again when prices drop.

Grain prices are determined by the law of supply and demand. When there are a lot of people and only a little grain, prices are high. When a lot of grain is available, prices are lower. You can save some excess grain to sell when the prices go up, but the rats make it difficult to make a profit this way. The amount of the yearly harvest is determined by the weather. (Average weather is more likely than extremely good or extremely bad weather.)

At the end of the game, good strategy demands diversification. Your title is determined by a formula that allows one point for each one building, five nobles, ten clergy, fifty soldiers or merchants, two thousand serfs, five thousand florins, or six thousand hectares of land. The program also takes into consideration an economic aspect of your city-state, but conceals this from the player. Each factor is limited to a few points depending on the skill level of the game, with higher skill levels requiring more diversification. Your justice level is subtracted from the total, so it takes much longer to achieve higher ranks with outrageous justice than it does with very fair justice. Once you gain a title, you cannot lose it, so alternating your justice level may be effective strategy.

One last word of caution: You can spend more money than you have but, without *any* notification, you will be charged interest at the rate of fifty percent on any balance owed after your taxes are collected. If you owe too much, you'll go bankrupt, and your realm will collapse around you.

Best of luck! Rule wisely and well . . .

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NOTES

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Better, if someone is insistent, is to give them the money to buy a cassette of their own. It could be cheaper in the long run.

Why the fuss? We want to make sure that programmers are paid for their programs and paid well. The more money we can pay in royalties, the better programs you'll have.

Improvements

There are very few programs which cannot be improved. If you work out some improvements to this program, it could be worth your while to send them in for possible use in an updated version of the program. Those who contribute to an updated program will share in the royalties which result. Instant Software Inc., Peterborough, NH 03458.

Disclaimer

Nothing in this world is completely perfect, including this program. I say this despite the yeoman efforts of the programmer who originally wrote and debugged it and the people in the Instant Software lab who worked far into the New Hampshire nights, all toward providing you with the best possible program.

Please enjoy it. If you come up with any improvements, you should let me know so I can pass along your ideas to other users.

Please note that there is no warranty expressed or implied that this program is going to do anything other than load and work. We don't guarantee that you will enjoy the game programs, that you will make or save money with business programs, or learn anything from educational programs. We don't guarantee that you will lose weight with a dieting program or avoid disasters with a biorhythm program. But if any program causes suffering (other than acute aggravation) or misfortune, we want to hear about it by mail, not through your lawyer. You are entirely on your own in using the programs.

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Wayne Green